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|---|---|---|
| UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> | Attorney Docket No. MWS-031 | |
| | First Inventor Stacey M. Gage | |
| | Title | DESIGN AND EXECUTION OF A TARGET SYSTEM THAT INCLUDES A COMPONENT MODEL |
| | Express Mail Label No. Ev309883156US | |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.

3. ☒ Specification [Total Pages **36**]
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **21**]

5. Oath or Declaration [Total Sheets **4**]

- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: MS Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))

10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. ☒ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).
Applicant must attach form PTO/SB/35 or its equivalent.

17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Prior application information: Examiner _____ Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number: 00959 OR ☐ Correspondence address below

| | | | |
|---|---------------------------------|---------------------------|--|
| Name LAHIVE & COCKFIELD, LLP Kevin J. Canning | | | |
| Address 28 State Street | | | |
| City Boston | State MA | Zip Code 02109 | |
| Country US | Telephone (617) 227-7400 | Fax (617) 742-4214 | |

| | |
|---|---|
| Name (Print/Type) Kevin J. Canning | Registration No. (Attorney/Agent) 35,470 |
| Signature | Date October 2, 2003 |

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. Ev309883156US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: October 2, 2003

Signature:

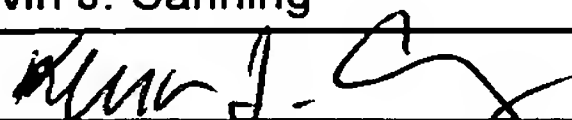
(Kevin J. Canning)

17638 U.S. PTO
10/03/03

3

Use in lieu of PTO/SB/17 (08-03)
(Form updated to reflect FY 2004 fees effective 10/1/03)

| FEE TRANSMITTAL for FY 2004 <small>Effective 10/01/2003, Patent fees are subject to annual revision.</small> | | Complete if Known | | |
|---|--|-----------------------------------|-----------------------|---------|
| | | Application Number | Not Yet Assigned | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Filing Date | Concurrently Herewith | |
| | | First Named Inventor | Stacey M. Gage | |
| | | Examiner Name | Not Yet Assigned | |
| TOTAL AMOUNT OF PAYMENT (\$) | | 2,608.00 | Attorney Docket No. | MWS-031 |
| METHOD OF PAYMENT (check all that apply) | | FEE CALCULATION (continued) | | |
| <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None | | 3. ADDITIONAL FEES | | |
| <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 12-0080 Deposit Account Name: Lahive & Cockfield, LLP | | Large Entity Small Entity | | |
| The Director is authorized to: (check all that apply) | | Fee Code Fee (\$) | | |
| <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments | | Fee Code Fee (\$) | | |
| <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application | | Fee Description | | |
| <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. | | Fee Paid | | |
| FEE CALCULATION | | | | |
| 1. BASIC FILING FEE | | | | |
| Large Entity Small Entity | | | | |
| Fee Code Fee (\$) | | | | |
| 1001 770 2001 385 Utility filing fee | | 770.00 | | |
| 1002 340 2002 170 Design filing fee | | | | |
| 1003 530 2003 265 Plant filing fee | | | | |
| 1004 770 2004 385 Reissue filing fee | | | | |
| 1005 160 2005 80 Provisional filing fee | | | | |
| SUBTOTAL (1) (\$) | | 770.00 | | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | | | | |
| Total Claims 96 -20** = 76 x 18.00 = 1,368.00 | | | | |
| Independent Claims 8 -3** = 5 x 86.00 = 430.00 | | | | |
| Multiple Dependent | | | | |
| Large Entity Small Entity | | | | |
| Fee Code Fee (\$) | | | | |
| 1202 18 2202 9 Claims in excess of 20 | | | | |
| 1201 86 2201 43 Independent claims in excess of 3 | | | | |
| 1203 290 2203 145 Multiple dependent claim, if not paid | | | | |
| 1204 86 2204 43 ** Reissue independent claims over original patent | | | | |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent | | | | |
| SUBTOTAL (2) (\$) | | 1,798.00 | | |
| **or number previously paid, if greater; For Reissues, see above | | | | |
| | | Other fee (specify) | | |
| | | *Reduced by Basic Filing Fee Paid | | |
| | | SUBTOTAL (3) (\$) | | |
| | | 40.00 | | |

| SUBMITTED BY | | (Complete (if applicable)) | |
|-------------------|---|-----------------------------------|-----------------|
| Name (Print/Type) | Kevin J. Canning | Registration No. (Attorney/Agent) | 35,470 |
| Signature |  | Telephone | (617) 227-7400 |
| | | Date | October 2, 2003 |

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. Ev309883156US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

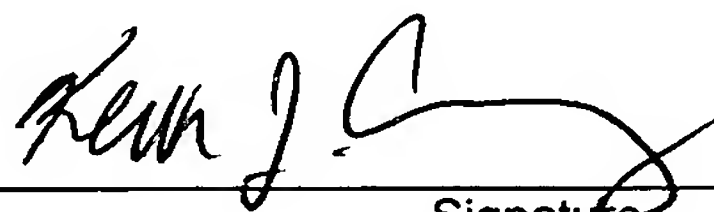
| | | | |
|---|----------------------|--|----------------|
| NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i) | First Named Inventor | | Stacey M. Gage |
| | Title | DESIGN AND EXECUTION OF A TARGET SYSTEM THAT INCLUDES A COMPONENT MODEL | |
| | Attorney Docket No. | | MWS-031 |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

October 2, 2003

Date



Signature

(617) 227-7400

Telephone Number

Kevin J. Canning - 35,470

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

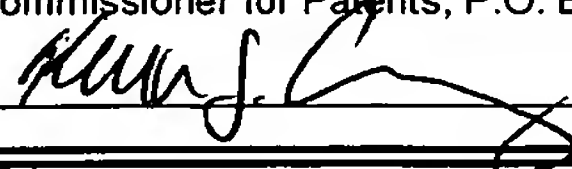
Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

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(Kevin J. Canning)